

University of Pittsburgh RFID Center of Excellence



Tuesday June 2, 2009

Time: 6:30PM

**University of Pittsburgh
Room 360 Benedum Hall**

BOMBARDIER CITYFLO

Train control solutions With RFID Technology



Offering a full range of advanced Automatic Train Control (ATC) technologies and operating modes, **BOMBARDIER* CITYFLO*** rail control solutions provide complete mass transit solutions for systems from trams to light rail vehicles. The **CITYFLO 650** rail control solution is a system for driverless (DTO) or unattended (UTO) train operations designed for moving block advanced metro operations and automated people movers (APM). Traditional and communications-based train control systems have used RFID technology for movement authority determination and position error correction. RFID has other uses in train control applications such as train identification used in routing of trains through the system and passing train check points. Various requirements are identified for the type of RFID used based upon the function to be accomplished. This presentation will focus on the requirements and application of RFID in the **CITYFLO 650** rail control system.

Speakers: Joe Greco & Joe Ackerman

Joe Greco: A graduate from the University of Pittsburgh in Computer Science. Currently a Signaling Engineering Manager with the RCS Division, Mr. Greco has been involved with the rail control industry for the past 17 years and with focus on Vehicle Automatic Train Control sub-systems, Region/Wayside Automatic Train Protection sub-systems and software engineering processes.

Joe Ackerman: A graduate from Clemson University in Computer Engineering. Currently a Staff Engineer with the RCS Division, Mr. Ackerman has been associated with the rail control industry for the past 18 years.

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**Bombardier Transportation (Holdings) USA, Inc.
1501 Lebanon Church Road, Pittsburgh, PA 15236**

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